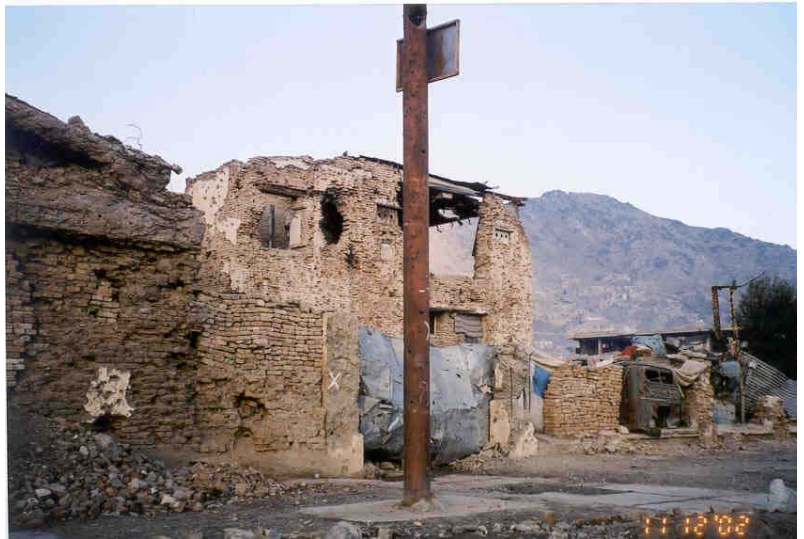


Emergency Water and Sanitation Project

Project Summary

Subsector	Water and Sanitation
Location	Nationwide
Project Cost	\$16.0 Million
Project Type	Urban Reconstruction
Project Executing Firm/Agency	Ministry of Irrigation
Financing Agency /	World Bank
Procurement Agency	Afghan Assistance Coordination Authority (AACA)



Project Outline

Public buildings such as markets, municipal offices, workshops, and depots have been damaged and looted of all tools and equipment. About a quarter of urban housing has been seriously damaged or destroyed, and about 40 percent of housing units are in unplanned areas. Urban management capacity has been decimated. Urban water supply and sanitation, solid waste management, and storm water drainage facilities are in urgent need of repair. Access to adequate and safe water and sanitation facilities is limited—currently an estimated 23 percent of the population has access to safe water, although this masks wide differences among provinces and districts. For instance, less than 20 percent of Kabul's population has access to piped water, and many provincial and secondary towns have no networked services. Many urban families lack access to safe sanitation. In 1997, sanitation coverage was estimated to be 23 percent of the urban population and 8 percent of the rural population.

The overall objective of the proposed World Bank Emergency Infrastructure Reconstruction Project for water and sanitation is to improve selected infrastructure

service delivery in order to enhance the quality of life, health, and welfare of the population and to support the economic recovery of the country.

Technical Description

In pursuit of the above project objectives, the proposed grant will finance the most urgent reconstruction and technical assistance requirements in the urban infrastructure and energy sub-sectors, and will set the stage for additional future assistance from the World Bank Group and other donors in support of the Afghan Interim Administration's national development priorities.

The urban component of the proposed project would consist of the following four parts:

- A. Municipal Public Works Program (5 cities)
- B. Urban Water Supply Improvements (12 cities)
- C. Sanitation Improvements (Kabul)
- D. Engineering and Management Support

Part A: Municipal Public Works Program (US\$3.0 million equivalent). This subcomponent would support labor-intensive public works selected and implemented by participating municipalities (Herat, Jalalabad, Kabul, Kandahar, and Mazar-e Sharif) up to a maximum of \$50,000 for each sub-project.

Part B: Urban Water Supply Improvements (US\$9.8 million equivalent). This subcomponent would support repair and rehabilitation of the water supply systems in the 12 cities outside Kabul that have a formal network installed by the Central Authority for Water Supply and Sewerage (CAWSS) (Charikar, Ghazni, Herat, Jalalabad, Kandahar, Kunduz, Mazar-e Sharif, Mehterlam, Qala-e-Naw, Qalat, Sheberghan, and Taluqan). CAWSS will procure the support of a consultant to prepare bidding documents, supervise the works, and ensure that operational training and support are provided to provincial CAWSS staff during this preliminary period. The consultant will also prepare information to facilitate a move to a larger intervention (possibly a management contract or contracts) at a later stage.

Part C: Sanitation Improvements (US\$1.5 million equivalent). This subcomponent would support repair and rehabilitation of critical sanitation facilities, including excreta disposal, solid waste management and drainage, implementation of pilot sanitation interventions in low-income areas of Kabul, and ongoing support to Kabul Municipality to finance contracted services such as solid waste collection. A consultant will carry out a rapid assessment of critical investment needs in Kabul based on data prepared by ICRC and the district shuras ; prepare bidding documents; and supervise the works for rehabilitation, the pilot project, and for ongoing contracted services.

Part D: Engineering and Management Support (US\$1.7 million equivalent). This subcomponent would include: i) engineering and management support to MHBTP to implement the municipal public works program including support to the screening and processing of municipal public works projects and development of community planning

and consultation processes in the five cities; ii) engineering support for the operation of water supply systems in 12 secondary cities over a period of 18 months, preparation of designs, technical specifications and bidding documents, supervision of works, and future system planning for each system; and iii) engineering support to Kabul Municipality to identify, design, and supervise priority sanitation interventions.

The project will be implemented by the Ministry of Public Works, together with CAWSS, for the water supply and sanitation activities. The Afghanistan Assistance Coordination Agency (AACCA) will assist with coordination.

Project Site

The project site consists of selected cities throughout Afghanistan.

Project Status/Timeline

The project is expected to begin in the third quarter of 2003 and take 18 months to complete.

Equipment and Services

The construction of a wastewater treatment plant requires advanced and appropriate technology for services and equipment in wastewater collection and treatment systems. The specific equipment that will be required includes:

- Aeration, pressure filters, clarification systems, and micro filtration systems
- Water and sewer pipes
- Valves, fittings, service connection assemblies, air release valves, blow off assemblies, taps, and plumbing fittings
- Electro-mechanical equipment (EPC portion), e.g. Mechanically driven fine and coarse screens, recirculation pumps, mechanical thickeners, sludge de-watering equipment (belt presses), gas engines and compressors, and ventilation system (if contract extended for nitrification and de-nitrification)
- Water production, treatment, and pumping equipment, including various equipment generally identified with collecting, treating, and distributing water from the source to customers including:
 - Pumping equipment, spare parts, mechanical and electrical parts, controls and control systems, wells, and parts of well systems
 - Bulk and retail water meters, water pressure gauges, water level measuring devices, and water treatment equipment

Consulting services that will be required include: feasibility studies, detailed designs, and construction and supervision.

U.S. Competitiveness

U.S. firms should be in the highly competitive range in all aspects of equipment supply for this project because the Afghan decision makers are familiar with U.S. products.

Procurement of goods and services will be done through the procurement agent under the AACA, but monitoring of technical assistance and investment components, project administration, etc. would be done by the implementing ministries and their agencies. The Afghan Government has retained the services of an international procurement agent on an interim basis to contract works and services on behalf of the ministries and is in the process of selecting a more permanent procurement agent through a competitive process.

Project Financing

Contracts will be financed with the proceeds of a loan from the World Bank. They will be subjected to the World Bank's specific policies and rules, and will be open to firms from any country.

Conclusion

This project should be extremely attractive to U.S. water treatment and sanitation suppliers.

Key Decision Makers

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